

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A nucleic acid-cationic immunoliposome complex comprising i) a cationic liposome, ii) an scFv antibody fragment, and iii) a nucleic acid wherein said nucleic acid-cationic immunoliposome complex is prepared by a method comprising the steps of:
 - a) preparing said antibody fragment;
 - b) directly conjugating said antibody fragment to said cationic liposome to form a cationic immunoliposome, wherein said conjugation occurs via a sulfur atom which was part of a sulfhydryl ~~sulfhydryl~~ group at a carboxy terminus on said antibody fragment; and
 - c) mixing said cationic immunoliposome with said nucleic acid to form said nucleic acid-cationic immunoliposome complex;
wherein said antibody fragment and said cationic liposome are present at a protein:lipid ratio (w:w) in the range of 1:5 to 1:40 and wherein said nucleic acid and said cationic liposome are present at a nucleic acid:lipid (μ g:nmol) ratio in the range of 1:6 to 1:20.

2. (Previously presented) The nucleic acid-cationic immunoliposome complex of claim 1 wherein said antibody fragment is capable of binding to a transferrin receptor.
3. (Original) The nucleic acid-cationic immunoliposome complex of claim 1 wherein said nucleic acid is DNA.
4. (Original) The nucleic acid-cationic immunoliposome complex of claim 1 wherein said nucleic acid encodes a wild type p53.
- 5-6. (Canceled)
7. (Currently amended) The nucleic acid-cationic immunoliposome complex of claim 1 6 wherein said sulfur atom is part of a cysteine residue.
8. (Currently amended) The nucleic acid-cationic immunoliposome complex of claim 1 6 wherein said antibody or antibody fragment is covalently bound to dioleoylphosphatidylethanolamine (DOPE) linked to 4-(p-maleimidophenyl)butyrate (MPB) or other sulfhydryl reacting group.
- 9-11. (Canceled)

12. (Original) A pharmaceutical composition comprising the nucleic acid-cationic immunoliposome complex of claim 1.

13-68 (Canceled)

69. (Previously presented) The nucleic acid-cationic immunoliposome complex of claim 1, wherein said complex comprises a cationic liposome, an antibody fragment capable of binding to a transferrin receptor and a nucleic acid complex encoding a wild type p53.

70 - 72. (Canceled)

73. (Previously presented) A nucleic acid-cationic immunoliposome complex comprising i) a cationic liposome, ii) an scFv antibody fragment and iii) a nucleic acid, wherein said antibody fragment is directly conjugated to said liposome.

74. (Previously presented) The complex of claim 73, wherein said antibody is directly conjugated to said liposome via a sulfur atom which was part of a sulphydryl group at a carboxy terminus on said antibody fragment.

75. (New) The nucleic acid-cationic immunoliposome complex of claim 1, wherein said cationic liposome comprises a cationic lipid selected from dioleoyltrimethylammonium-propane (DOTAP) or dimethyl dioctadecylammonium bromide (DDAB) and a neutral or helper lipid selected from dioleoylphosphatidylethanolamine (DOPE) or cholesterol.

76. (New) The nucleic acid-cationic immunoliposome complex of claim 75, wherein said neutral or helper lipid comprises dioleoylphosphatidylethanolamine (DOPE).